

United States Department of Agriculture Animal and Plant Health Inspection Service Plant Protection & Quarantine 4700 River Road Riverdale, MD 20737

# Permit to Move Live Plant Pests, Noxious Weeds, and Soil

**Interstate Movement** 

Regulated by 7 CFR 330

## This permit was generated electronically via the ePermits system

**PERMITTEE NAME:** P526P-20-03883 Sharen Chaffin PERMIT NUMBER: APPLICATION NUMBER: P526-200828-059 Seminis Vegetable Seeds, **ORGANIZATION: DATE ISSUED:** 10/05/2020 ADDRESS: 37437 State Hwy 16 10/05/2023 **EXPIRES:** Woodland, CA 95695 **FACILITY NUMBER:** 429 **MAILING ADDRESS:** 37437 State Hwy 16 HAND CARRY: Woodland, CA 95695 **FACILITY ACCOUNT:** Seminis Vegetable Seeds, Inc. 530-669-6172 PHONE: **RESEARCH CENTER: ALT. PHONE:** 530-665-3319 Greenhouse Lab #'s, Biosafety **FACILITY NAME: EMAIL:** 

sharen.chaffin@bayer.com FAX:

Cab in Rm. 203,

**FACILITY ADDRESS:** 

Seminis Vegetable Seeds, Inc. 37437 State Highway 16,

Woodland, California 95695

**FACILITY GPS:** Latitude 38.7 Longitude -121.8

Seminis Vegetable Seeds. 37437 State Highway 16

Woodland, California 95695

Ms. Sharen Chaffin **FACILITY CONTACT:** PHONE: (530) 669-6233

**ALT. PHONE:** 

**MAIL ADDRESS:** 

FAX: **EMAIL:** 

DESTINATION: 37437 State Hwy 16, Woodland, CA 95695

**RELEASE:** No

Under the conditions specified, this permit authorizes the following:						
Regulated Article	Life	Intended Use	<b>Shipment Origins</b>	Originally Collected	Culture	
	Stage(s)				Designation	
Alfalfa mosaic virus	Any	Research - Greenhouse	AS, GU, HI, MP,	Originally Collected		
		(growth chamber and lab	PR, VI, Continental	from Foreign and		
		included)	U.S.	Domestic Locations		
Apple latent spherical vir	usAny	Research - Growth	AS, GU, HI, MP,	Originally Collected		
		Chamber (lab included)	PR, VI, Continental	from Foreign and		
			U.S.	Domestic Locations		
Avocado sunblotch viroid	d Any	Research - Greenhouse	AS, GU, HI, MP,	Originally Collected		
		(growth chamber and lab	PR, VI, Continental	from Foreign and		
		included)	U.S.	Domestic Locations		

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WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)



Barley stripe mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Barley yellow dwarf virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Barley yellow dwarf virus - GPV	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Barley yellow dwarf virus - MAV	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Barley yellow dwarf virus - PAS	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Barley yellow dwarf virus - PAV	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Barley yellow dwarf virus - RMV	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Barley yellow dwarf virus - SGV	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Bean common mosaic necrosis virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Bean common mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Bean pod mottle virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Bean yellow mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Beet curly top virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Beet mild curly top virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Beet pseudo-yellows virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Beet severe curly top virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Bell pepper mottle virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Capsicum chlorosis virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected

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Chrysanthemum stunt viroid  Citrus exocortis viroid  Citrus exocortis viroid  Clover yellow vein virus  Columnea latent viroid  Cotton leaf crumple virus  Cotton leaf crumple  Cotton leaf crumple  Cotton leaf c			Research - Greenhouse (growth chamber and lab	Any	Carrot mottle virus
Citrus exocortis viroid Any Research - Growth Chamber (lab included) PR, VI, Continental from Foreign and U.S. Domestic Locatio PR, VI, Continental from Foreign and U.S. Domestic Locatio U.S. Domest	Domestic Locations Driginally Collected	AS, GU, HI, MP,	Research - Growth	Any	, ,
Clover yellow vein virus Any  Research - Growth Chamber (lab included)  Clover yellow vein virus Any  Research - Greenhouse (growth chamber and lab included)  Columnea latent viroid Any  Cotton leaf crumple virus Any  Research - Greenhouse (growth chamber and lab included)  Cotton leaf crumple virus Any  Research - Growth Chamber (lab included)  Cowpea mild mottle virus Any  Research - Growth Chamber (lab included)  Cowpea mosaic virus  Any  Research - Growth Chamber (lab included)  Rese	Tom Foreign and Domestic Locations		Chamber (lab included)		viroid
Columnea latent viroid Any Research - Greenhouse (growth chamber and lab included) U.S. Domestic Locatio Columnea latent viroid Any Research - Growth Chamber (lab included) U.S. Domestic Locatio Domestic Locatio PR, VI, Continental from Foreign and U.S. Domestic Locatio Domestic Locatio PR, VI, Continental U.S. Domestic Locatio Domestic Locatio PR, VI, Continental from Foreign and U.S. Domes	Originally Collected From Foreign and	AS, GU, HI, MP, PR, VI, Continental		Any	Citrus exocortis viroid
Columnea latent viroid Any Research - Growth Chamber (lab included) PR, VI, Continental from Foreign and U.S. Domestic Locatio U.S. Domestic Locatio AS, GU, HI, MP, Originally Collect (growth chamber and lab included) U.S. Domestic Locatio U.S. Domestic Locatio PR, VI, Continental from Foreign and U.S. Domestic Locatio U.S. Domestic Locatio PR, VI, Continental from Foreign and U.S. Domestic Locatio Cowpea mosaic virus Any Research - Growth Chamber (lab included) PR, VI, Continental from Foreign and U.S. Domestic Locatio PR, VI, Continental from Foreign and U.S. Dom	Originally Collected From Foreign and	AS, GU, HI, MP, PR, VI, Continental	(growth chamber and lab	Any	Clover yellow vein virus
Cotton leaf crumple virus Any  Research - Greenhouse (growth chamber and lab included)  Cowpea mild mottle virus Any  Research - Greenhouse (growth chamber and lab included)  Research - Growth Chamber (lab included)  Cowpea mosaic virus  Any  Research - Growth Chamber (lab included)	Originally Collected From Foreign and	AS, GU, HI, MP, PR, VI, Continental	Research - Growth	Any	Columnea latent viroid
Cowpea mild mottle virus Any  Research - Growth Chamber (lab included)  Cowpea mosaic virus  Research - Growth Chamber (lab included)	Originally Collected From Foreign and	AS, GU, HI, MP, PR, VI, Continental	(growth chamber and lab	Any	Cotton leaf crumple virus
Cowpea mosaic virus Any Research - Growth AS, GU, HI, MP, Originally Collect Chamber (lab included) PR, VI, Continental from Foreign and	Originally Collected From Foreign and	AS, GU, HI, MP, PR, VI, Continental	Research - Growth	Any	Cowpea mild mottle virus
	Originally Collected From Foreign and	AS, GU, HI, MP, PR, VI, Continental		Any	Cowpea mosaic virus
Cowpea severe mosaic Any Research - Growth AS, GU, HI, MP, Originally Collect virus Chamber (lab included) PR, VI, Continental from Foreign and	Originally Collected	AS, GU, HI, MP, PR, VI, Continental		Any	
Cucumber green mottle Any Research - Lab AS, GU, HI, MP, Originally Collect mosaic virus PR, VI, Continental from Foreign and	Originally Collected	AS, GU, HI, MP, PR, VI, Continental	Research - Lab	Any	
Cucumber mosaic virus Any Research - Greenhouse AS, GU, HI, MP, Originally Collect (growth chamber and lab PR, VI, Continental from Foreign and	Originally Collected	AS, GU, HI, MP, PR, VI, Continental	(growth chamber and lab	Any	Cucumber mosaic virus
Cucumber mosaic virus Any Research - Greenhouse AS, GU, HI, MP, Originally Collect satellite RNA several types (growth chamber and lab PR, VI, Continental from Foreign and	Originally Collected	AS, GU, HI, MP, PR, VI, Continental	Research - Greenhouse (growth chamber and lab	-	
Cucumber vein yellowing Any Research - Growth AS, GU, HI, MP, Originally Collect virus Chamber (lab included) PR, VI, Continental from Foreign and	Originally Collected	AS, GU, HI, MP, PR, VI, Continental	Research - Growth	Any	
Cucurbit aphid-borne Any Research - Greenhouse AS, GU, HI, MP, Originally Collect yellows virus (growth chamber and lab PR, VI, Continental from Foreign and	Originally Collected	AS, GU, HI, MP, PR, VI, Continental	(growth chamber and lab	Any	
Cucurbit leaf crumple virusAny  Research - Greenhouse AS, GU, HI, MP, Originally Collect (growth chamber and lab PR, VI, Continental from Foreign and	Originally Collected From Foreign and	AS, GU, HI, MP, PR, VI, Continental	Research - Greenhouse (growth chamber and lab	sAny	Cucurbit leaf crumple virus
Cucurbit leaf curl virus Any Research - Greenhouse AS, GU, HI, MP, Originally Collect (growth chamber and lab PR, VI, Continental from Foreign and	Domestic Locations Driginally Collected From Foreign and Domestic Locations	AS, GU, HI, MP, PR, VI, Continental	Research - Greenhouse (growth chamber and lab	Any	Cucurbit leaf curl virus
Cucurbit yellow stunting Any Research - Growth AS, GU, HI, MP, Originally Collect disorder virus Chamber (lab included) PR, VI, Continental from Foreign and	Originally Collected	AS, GU, HI, MP, PR, VI, Continental	Research - Growth	Any	
High plains virus Any Research - Greenhouse AS, GU, HI, MP, Originally Collect (unclassified) (growth chamber and lab PR, VI, Continental from Foreign and	Originally Collected	AS, GU, HI, MP, PR, VI, Continental	(growth chamber and lab	Any	

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Impatiens necrotic spot virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Iresine viroid 1	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Iris yellow spot virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Kyuri green mottle mosaic virus	Any	Research - Lab	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Lettuce big-vein associated virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Lettuce infectious yellows virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Lettuce mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Lettuce necrotic spot virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Maize chlorotic dwarf virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Maize chlorotic mottle virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Maize dwarf mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Maize fine streak virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Maize mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Maize rayado fino virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Maize streak virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Maize white line mosaic virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Melon necrotic spot virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Mexican papita viroid	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected

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Mirafiori lettuce virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Moroccan pepper virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Papaya ringspot virus	Any	Research - Greenhouse (growth chamber and lab included)	U.S.	Originally Collected from Foreign and Domestic Locations
Pea early-browning virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pea enation mosaic virus-1	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pea enation mosaic virus-2	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pea seed-borne mosaic virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pea streak virus	Any	Research - Greenhouse (growth chamber and lab included)	U.S.	Domestic Locations
Pepino mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	U.S.	Domestic Locations
Pepper chat fruit viroid	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Domestic Locations
Pepper golden mosaic virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pepper huasteco yellow vein virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pepper mild mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pepper mild mottle virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Domestic Locations
Pepper mottle virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Potato spindle tuber viroid	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Potato virus X	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Potato virus Y	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations

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Southern bean mosaic virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Southern tomato virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Sowbane mosaic virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Soybean mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Soybean vein necrosis virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Spinach latent virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Squash leaf curl virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Squash mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Sugarcane mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Tobacco etch virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Tobacco mild green mosaic virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tobacco mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tobacco rattle virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tobacco ringspot virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tobacco ringspot virus satellite RNA	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tobacco streak virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected from Foreign and Domestic Locations
Tomato apical stunt viroid	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Tomato black ring virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected

	Femili Number F320F-20-03003
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Tomato bushy stunt virus	Any	Research - Greenhouse (growth chamber and lab		
Tomato chino La Paz virus	s Any	included) Research - Growth Chamber (lab included)	U.S. AS, GU, HI, MP, PR, VI, Continental U.S.	Domestic Locations Originally Collected from Foreign and Domestic Locations
Tomato chlorosis virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Tomato chlorotic dwarf viroid	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Tomato golden mottle virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tomato infectious chlorosis virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tomato leaf curl New Delhi virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tomato mosaic Havana virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tomato mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tomato planta macho viroid	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Tomato ringspot virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Tomato severe leaf curl virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Tomato spotted wilt virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Tomato yellow leaf curl virus	Any	Research - Growth Chamber (lab included)	AS, GU, HI, MP, PR, VI, Continental U.S.	Originally Collected
Turnip mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Watermelon mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected
Wheat streak mosaic virus	Any	Research - Greenhouse (growth chamber and lab included)	AS, GU, HI, MP,	Originally Collected

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Zucchini yellow mosaic virus

Research - Greenhouse AS, GU, HI, MP, (growth chamber and lab PR, VI, Continental from Foreign and included)

U.S.

Originally Collected **Domestic Locations** 

### PERMIT GUIDANCE

- 1) This permit does not authorize movement or release into the environment of genetically engineered organisms produced with the regulated organisms described in this permit. Importation, interstate movement, and environmental release of genetically engineered plant pests require a different permit issued under regulations at 7 CFR part 340. Any unauthorized interstate movement or environmental release, including accidental release, of a regulated GE organism would be a violation of those regulations. Additional guidance and contact information for APHIS Biotechnology Regulatory Services, can be found at: https://www.aphis.usda.gov/aphis/ourfocus/biotechnology.
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import export/animals/animal import/animal imports an products.shtml
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at http://www.cdc.gov/od/eaipp/
- 4) This permit DOES NOT fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
- 5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

#### PERMIT CONDITIONS

USDA-APHIS issues this permit to Sharen Chaffin, Seminis Vegetable Seeds, Inc., Woodland, California. This permit authorizes the interstate movement of the listed regulated materials/organisms from the listed states and/or territories.

This permit authorizes the use of the regulated materials/organisms for laboratory, growth chamber and/or greenhouse research in the APHIS approved facility 429.

- This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
  - The permit number or a copy of the permit must accompany the shipment.
  - You must be an individual at least 18 years old, or legal entity such as partnership, corporation,

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association, or joint venture.

- You are legally responsible for complying with all permit requirements and permit conditions.
- If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
- Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.

## 2. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,
- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@usda.gov

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within one business day of the event triggering a notification.

3. This permit does not authorize movement or use of organisms listed in the Public Health Security and Bioterrorism Preparedness and Response Act of 2002. If any organism listed as a Select Agent is identified from materials associated with this research, the permit holder is required to notify APHIS, Agriculture Select Agent Services (AgSAS) immediately by phone at 301-851-3300 option 3, and within seven (7) days submit APHIS/CDC Form 4A (Report of Identification of a Select Agent or Toxin in a Clinical or Diagnostic Laboratory) to APHIS, AgSAS; 4700 River Rd, Unit 2, Riverdale, MD 20737 (see instructions at: https://www.selectagents.gov/resources/APHIS-CDC\_Form\_4\_Guidance\_Document.pdf). Failure to comply with this requirement is a violation of the Agricultural Bioterrorism Protection Act of 2002. For a complete list of Select Agents please visit: https://www.selectagents.gov/selectagentsandtoxinslist.html

Select agents include: Peronosclerospora philippinensis (Peronosclerospora sacchari), Coniothyrium glycines (formerly Phoma glycinicola and Pyrenochaeta glycines), Ralstonia solanacearum, Rathayibacter toxicus, Sclerophthora rayssiae, Synchytrium endobioticum, Xanthomonas oryzae, Bacillus anthracis, Brucella abortus, Brucella melitensis, Brucella suis, Burkholderia mallei, and Burkholderia pseudomallei.

For applicants applying for a permit for Ralstonia solanacearum non-race 3 biovar 2, an exclusion letter will need to be submitted along with the application

4. All persons working with the listed regulated materials/organisms must be informed of these permit conditions. Anyone working with these materials/organisms must agree to adhere to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

 Field-collected samples of infected plant material must be bare-root or washed free of soil prior to shipment to the permit holder.
 Plant samples deliberately inoculated with these organisms in a controlled environment such as a laboratory, growth chamber, or greenhouse that have been grown in sterilized soil or soilless mix

may be shipped to the permit holder with attached soil or growing media.

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- 6. All packages for transport must minimally consist of both inner/primary and outer/secondary packages securely sealed so that both are effective barriers to escape or unauthorized dissemination of the listed materials/organisms. The inner/primary package(s) will contain all regulated materials/organisms and must be cushioned and sealed in such a way that it remains sealed during shock, impact, and pressure changes that may occur. The outer/secondary shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.
- 7. Upon receipt, all packages must be opened within a Class II or III biosafety cabinet in the approved containment facility identified above to prevent the potential dissemination of the package contents. Cultures must be in a sealed container during transport to or within the permit holder's assigned research facilities.
- 8. All research activities, plant inoculations and subsequent disease development must occur within the APHIS approved Containment Facility identified above that has been inspected and found adequate for containment of the organisms received under this permit. Access to this facility must be restricted to authorized personnel.
- 9. Plant inoculations using organisms that are listed on this permit at the species level are authorized in greenhouses and growth chambers. Plant inoculations using organisms listed on this permit at the genus level or higher are restricted to growth chambers only.
- 10. Vector transmission is not permitted under this authorization. Only mechanical inoculation of plants is permitted.
- 11. Measures to control potential insect vectors (e.g. black lights, yellow sticky boards, insecticides) must be in place.
- 12. Greenhouses must be screened to minimize presence of insect vectors.
- 13. Standard Operating Procedures (SOPs) must be filed with, and approved by, the APHIS PPQ Pest Permit Staff at: email: pest.permits@usda.gov; phone: 866-524-5421; fax: 301-734-8700; address: 4700 River Road, Unit 133, Riverdale, MD 20737. All contact information must be kept current and the SOPs must be dated. If requirements in the permit conditions are more restrictive than the SOPs, permit conditions take precedence. APHIS PPQ must approve any changes to the SOPs before implementation.

A list of all persons with access to the containment facility must be maintained and available upon request by Federal or State Regulatory Officials.

All persons working with the regulated material/organism(s) must be trained on, and implement the permit conditions, and all APHIS approved SOPs governing the facility listed above.

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- 14. Modifications to the containment facility or any changes that affect the containment of the regulated materials/organisms must be approved by APHIS prior to making changes. Please contact the Pest Permit Staff (email: pest.permits@usda.gov; phone: 866-524-5421; address: 4700 River Rd., Unit 133, Riverdale, MD 20737; Fax: 301-734-8700).
- 15. Records must be kept of all organisms maintained under this permit. Minimally the record will consist of the name of the organism identified to the lowest taxon possible, the country, or US state/territory, where each isolate was collected, the date the isolate was received, and the date and how the organism was devitalized. These records must be made available to Federal and State regulators upon request.
- 16. When not working with the regulated materials/organisms, you must store and/or maintain them within the APHIS approved containment facility identified above. All stored regulated materials/organisms must be kept in a locked area with access limited to authorized personnel.
- 17. DEVITALIZATION AND WASTE DISPOSAL

All regulated materials/organisms and all items coming in direct contact or exposed to the regulated materials/organisms must be sterilized/sanitized/decontaminated prior to removal from the authorized containment facility. This includes all items from shipping, culturing, care, and maintenance of these regulated materials/organisms. This requirement includes but is not necessarily limited to: packaging directly exposed to the regulated materials/organisms, substrates (culture media, soil, plant materials (food materials or host plants)), leftover/unused/unneeded live cultures, and dead specimens/cultures unless specified otherwise in the permit.

Prior to disposal or reuse, you must treat all contaminated and all potentially contaminated materials by one of the following methods, either alone or in combination:

1) autoclaved (see protocol below), 2) disposed of off-site by a facility holding a valid PPQ compliance agreement (organisms and/or contaminated waste must be stored in sealed containers prior to pick up by this company), 3) incinerated, 4) immersed in a minimum of a final concentration of 0.525 percent sodium hypochlorite (1 part fresh household bleach to 9 parts water) for at least 20 minutes, or 5) immersed in 70 percent alcohol for at least 30 minutes. Treated waste will be double bagged prior to disposal.

Other sterilization methods are only allowed with prior written agreement from the USDA/APHIS PPQ Pest Permit Staff.

If using an autoclave the following protocol must be used:

- a. Waste must be autoclaved at 121 Celsius (250 Fahrenheit) for a minimum of 30 minutes at 15 psi.
- b. Autoclave tape or other indicators must be placed on each load prior to treatment. The autoclave tape or other indicator on each container must be checked to verify color change before disposal.

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WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)



c. The autoclave must be calibrated according to the manufacturer's instructions annually and a commercially available biological indicator kit that uses bacterial spores of Geobacillus stearothermophilus that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every three months.

OR

The autoclave must be calibrated according to the manufacturer's instructions every two years and a commercially available biological indicator kit that uses bacterial spores of Geobacillus stearothermophilus that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every two weeks.

- d. A written record of the calibration and the biological indicator tests must be maintained. You must follow the manufacturer's instructions for the Geobacillus sterothermophilus and if any growth is observed, you must have the autoclave serviced and retested before it is used again for the regulated articles/organisms listed on this permit.
- 18. As an alternative to the DEVITALIZATION AND WASTE DISPOSAL requirements listed above, devitalization/destruction of organisms and infected material may be conducted off site by a facility holding a valid PPQ compliance agreement prior to disposal. Vendor may or may not be in the same state. All organisms, contaminants and/or packaging materials must be in sealed containers during transport to this waste management facility in order to prevent any unauthorized dissemination of the regulated articles.
- 19. There is to be no further movement or distribution of the listed regulated materials/organisms within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such materials/organisms.

## **END OF PERMIT CONDITIONS**

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